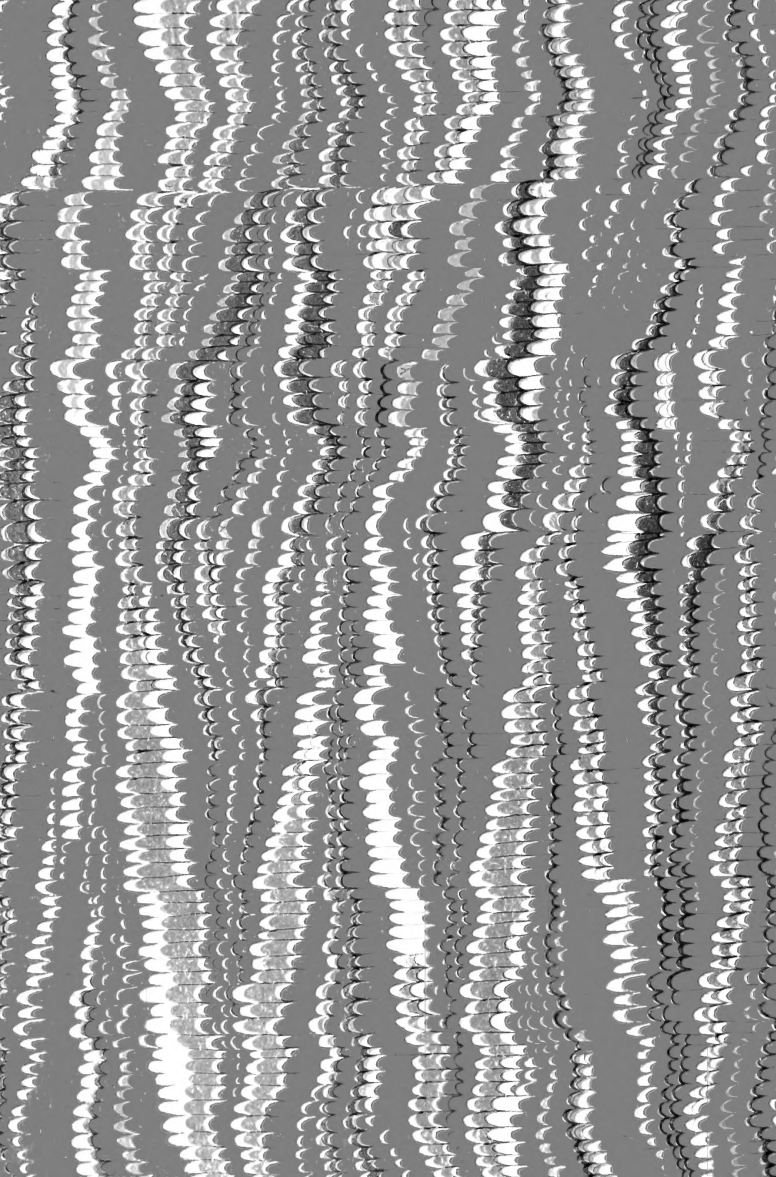
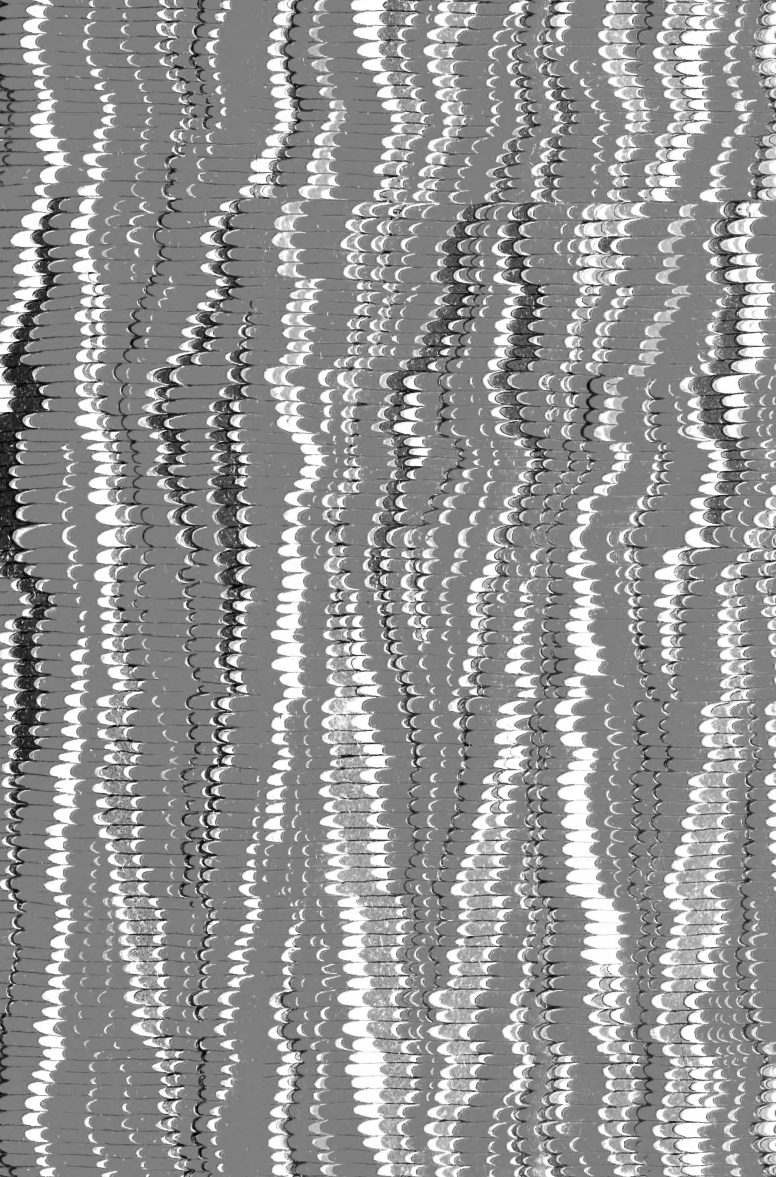


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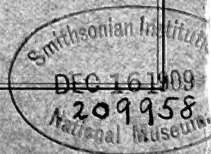




CONTENTS AND INDEX
OF THE
REPORTS
OF THE
STATE ENTOMOLOGIST OF ILLINOIS
XIII—XXIV
1884—1908

STEPHEN A. FORBES

1909



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INTRODUCTION

The present index, prepared by Miss Mary J. Snyder, Secretary to the Illinois State Laboratory of Natural History, is in continuation of an index to the first twelve reports of the Illinois State Entomologist made in 1885 and printed as an appendix to the Fourteenth Report of this series. The systematic list of genera and species has been revised by Mr. C. A. Hart, who is responsible for the synonymy indicated.

The twelve reports now indexed have all been issued by the present writer, the first of these being the second of his personal series. The thirteenth to the twentieth reports inclusive were published, like the preceding six, as appendices to the Transactions of the State Department of Agriculture, a small edition of separates—usually two hundred or three hundred copies—being furnished to the Entomologist for his personal use. With the Twenty-first Report, however, a change in the method of publication was made, the various articles of the report being published first as bulletins of the State Agricultural Experiment Station, one thousand copies of which were printed in form for binding, from time to time, as a report of the State Entomologist. With these were usually included some additional articles which had not been separately issued, but which appeared in the state report only.

The Thirteenth Report, printed in 1884 with the twenty-first volume of the Transactions of the State Department of Agriculture, was devoted mainly to the discussion of insects injurious to the strawberry, but contains, among other miscellaneous articles, one on insects affecting sorghum and broom-corn, and two articles on insects injurious to the wheat plant.

The Fourteenth Report (Agricultural Transactions, Vol. XXII., 1885) is of a miscellaneous character, containing articles on both agricultural and horticultural insects, among the former a first contribution to a knowledge of the life history and parasites of the Hessian fly, and a contribution to the life history of the corn root-aphis. It also contains an index to the first twelve reports of the office series.

The Fifteenth of the series (Vol. XXIV. of the Transactions, 1889) consists mainly of a report of experiments with arsenical poisons for the destruction of the codling-moth and plum-curculio in apple orchards, a second contribution on the Hessian fly, the life history

of the wheat bulb-worm, and a discussion of certain insects injurious to nursery trees.

Number sixteen of the series was published in 1890 in Volume XXVI. of the *Agricultural Transactions*. Its most important articles are one on the chinch-bug, largely devoted to a statistical study of its relations to the raising of wheat; one on the corn bill-bugs; and one on the cutworms.

The main articles of the Seventeenth Report (*Agricultural Transactions*, Vol. XXVIII., 1891) are on the fruit-tree bark-beetle, on experiments with arsenical poisons for the plum-curculio, on the common white-grubs, on the life histories of the Hessian fly and of the corn root-aphis, and on the fungous diseases of the chinch-bug. It contains, as an appendix, an analytical list of the entomological writings of Dr. William LeBaron, the second State Entomologist of Illinois.

The Eighteenth Report (*Agricultural Transactions*, Vol. XXXI., 1894) is almost entirely devoted to a monograph of insect injuries to Indian corn affecting the seed in the earth and the underground part of the plant.

The Nineteenth Report (*Agricultural Transactions*, Vol. XXXII., 1895) is mainly devoted to an elaborate discussion of the contagious diseases of the chinch-bug, with an analytical list of American articles on this subject. It contains likewise an article on the white ant in Illinois, and another on the Mediterranean flour-moth, the latter (by W. G. Johnson, an assistant in the office) printed as an appendix to the regular report.

In number twenty (*Agricultural Transactions*, Vol. XXXIV., 1898) is an article on the San Jose scale in Illinois, one descriptive of an extraordinary outbreak of white-grubs in Christian county, and others on various aspects of the chinch-bug problem. An article on the white pine Chermes, by E. L. Storment, is printed as an appendix to this report.

The Twenty-first Report contains two articles—one on the San Jose scale; and the other a monographic article on the economic entomology of the sugar-beet. These were also separately issued as bulletins 56 and 60 of the *Agricultural Experiment Station*.

In the Twenty-second Report, issued in 1903, the principal articles are on the corn bill-bugs in Illinois, on field insecticide work against the San Jose scale, and on the principal nursery pests likely to be distributed in trade. The first two articles were printed in 1902 as bulletins 79 and 80 of the *Experiment Station*, and that on nursery pests was issued by the same station in 1901 as Circular 36. Additional

articles on the use of crude petroleum and pure kerosene for the San Jose scale, on experiments with summer washes for the same insect, on the canker-worm on shade and forest trees, and on the Colaspis root-worm, were first published in this report.

The Twenty-third Report, printed in 1905, is devoted entirely to injuries to Indian corn by insect species which infest the plant above ground. An abstract of the more important parts of this volume was issued in 1904 as Bulletin 95 of the Experiment Station.

The articles of the Twenty-fourth Report, printed in 1908, are of a somewhat miscellaneous character, devoted mainly to the bill-bugs, the corn root-aphis, and the chinch-bug, treated with special reference to their injuries to corn; to the cottony maple scale and the elm twig-girdler, treated as shade-tree insects; to experiments with insecticides for the San Jose scale and the plum-curculio; and to the life history, habits, and economic relations of the white-grubs and May-beetles. With the exception of that on the elm twig-girdler, published for the first time in the report, these articles have been previously printed as bulletins of the Experiment Station series—Nos. 104, 107, 108, 112, and 116.

In addition to the twelve regular reports here named, the partial equivalent of such a report was printed in 1886, under the name of "Miscellaneous Essays on Economic Entomology," as an appendix to the twenty-third volume of the State Department of Agriculture, the principal articles in which are "The Entomological Record for 1885;" "Experiments on the Codling-moth and Curculios;" "A Second Contribution to the Life History of the Corn Plant-louse (*Aphis maidis* Fitch)" [mainly the corn root-aphis]; "On the Injurious Locusts of Central Illinois;" and a "Partial Bibliography of Indian Corn Insects." The contents of these essays are included in the following index.

The twelve reports, with their appendices, contain 2469 pages, of which 2213 are the text of the articles, the remainder consisting of indexes, tables of contents, and similar matter. These reports are illustrated by 387 cuts inserted in the text, and by 127 plates, 15 of which are colored and the remainder black and white.

STEPHEN A. FORBES,
Illinois State Entomologist.

Urbana, Illinois,
December 15, 1908.

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*Mr. Aldrich, in his catalogue, is in error in saying that this species has not yet been described. It was given a detailed description, in order "to distinguish it as a species," on page 80 of the article cited, Loew's MS. name for it being used.—C. A. H.

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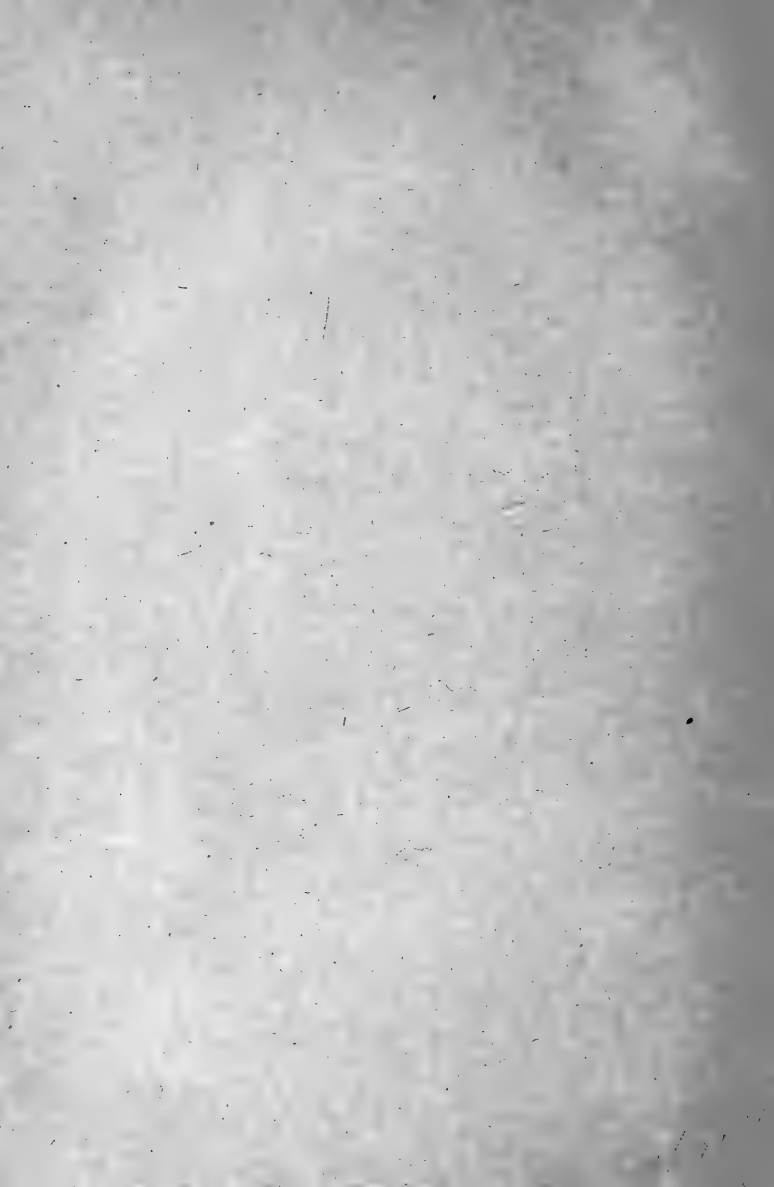
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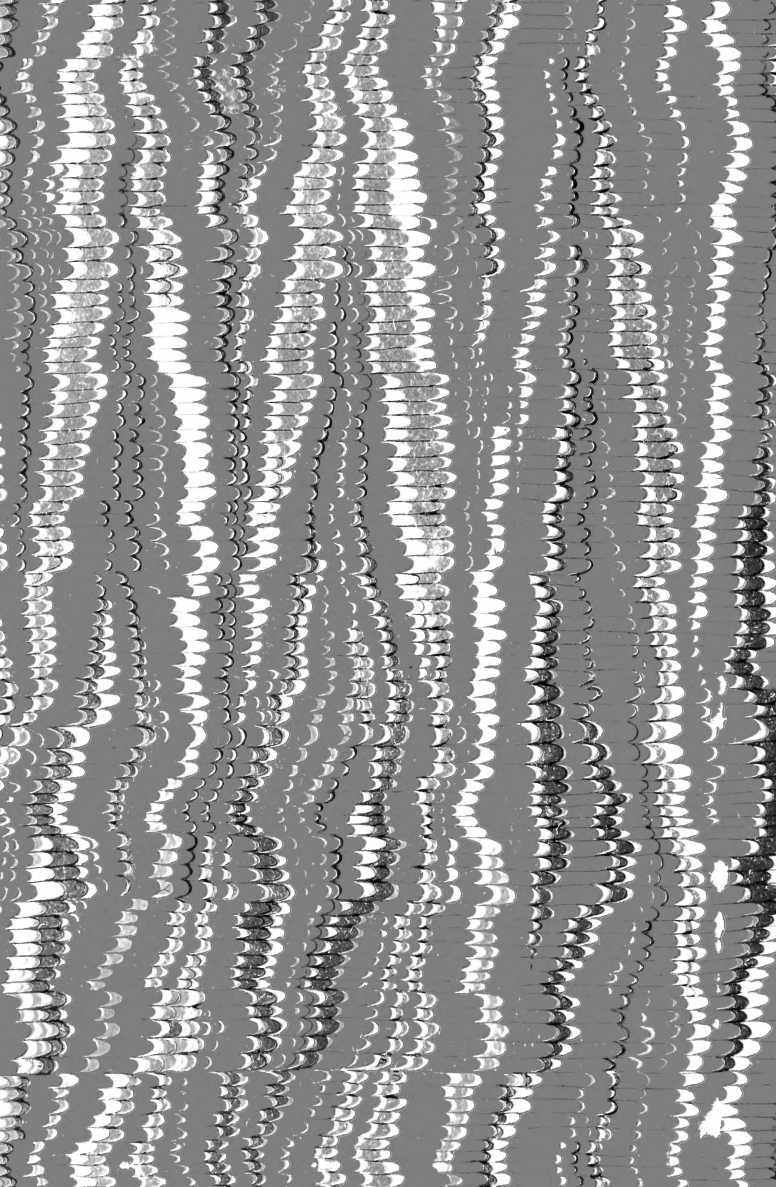
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